June 3, 2014

Bay Area Climate Adaptation & Resilience



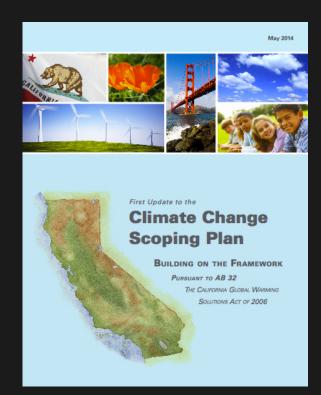




Nine County-Level Snapshots

Projects, Plans, Structures & Needs

Momentum?





By AIMEE PICCHI / MONEYWATCH / May 19, 2014, 1:05 PM

Not ready for climate change? Your town may get sued

37 Comments / f 124 Shares / ST Tweets / Stumble / Email

As experts warn that every continent will be impacted by climate change, there's yet another danger on the horizon: Getting sued over failing to prepare for worsening weather.

Farmers Insurance is suing the city of Chicago and about 200 local municipalities for allegedly failing to adequately prepare for the impact of climate change, in what's described as the first-of-its-kind legal argument. At the heart of the classaction lawsuits is a storm that hit the Chicago area on April 17, 2013, described by CBS station WBBM as so bad that some neighborhoods were only navigable by boat. The storm also shut down major expressways and flooded hundreds of basements and streets.

The Washington Post

Wonkbook: Obama's new EPA rule won't save the world, and it won't kill the economy

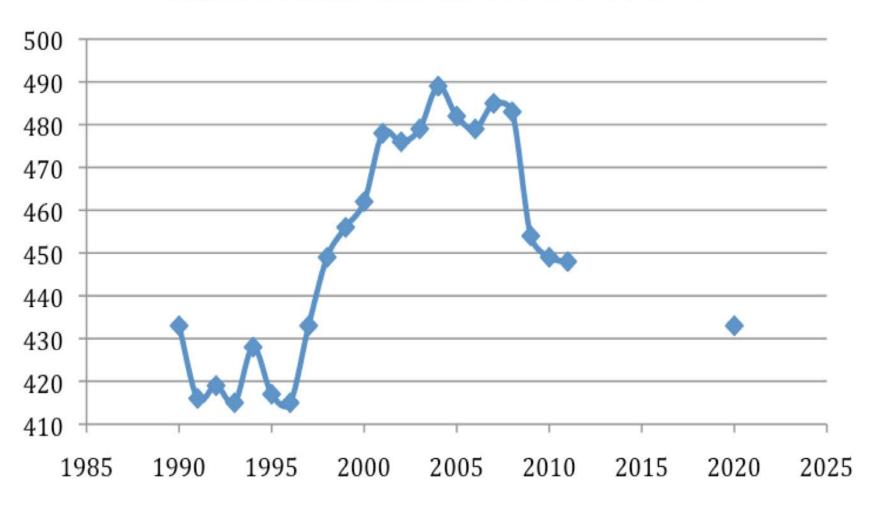
BY PUNEET KOLLIPARA S June 3 at 8:29 am

More +

Welcome to Wonkbook, Wonkblog's morning policy news primer by Puneet Kollipara.
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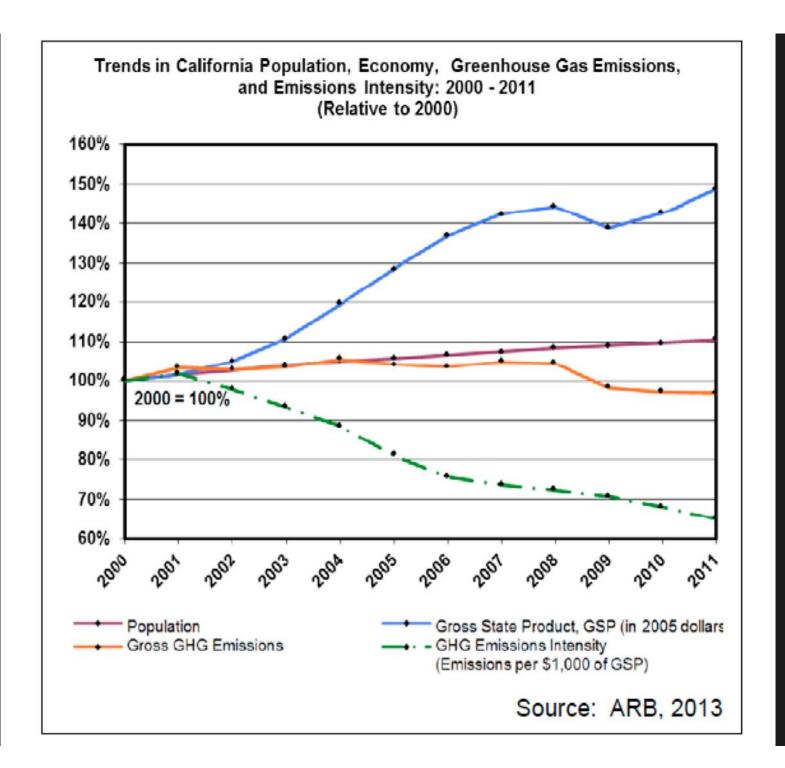
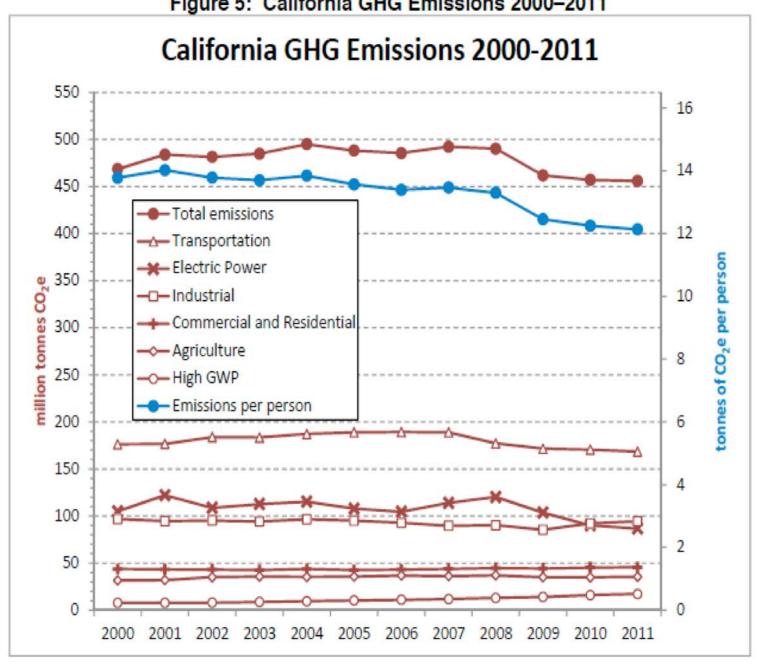
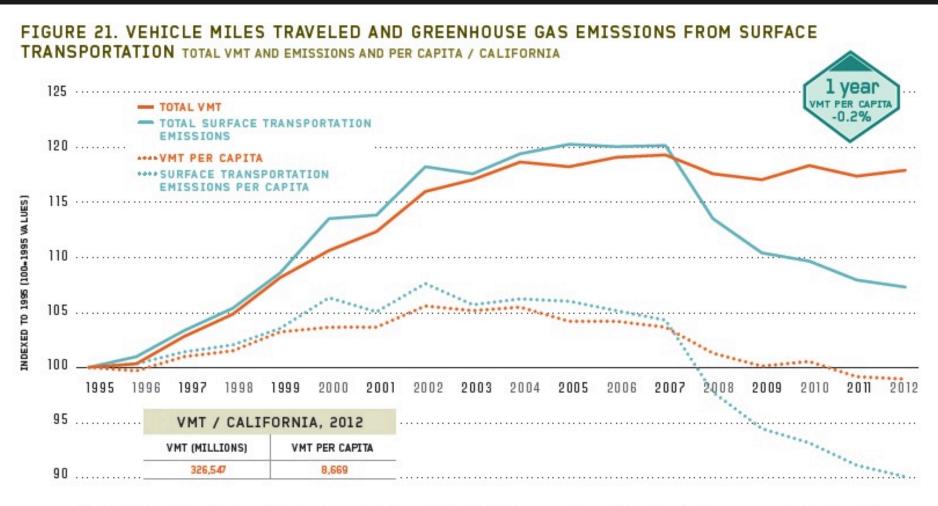
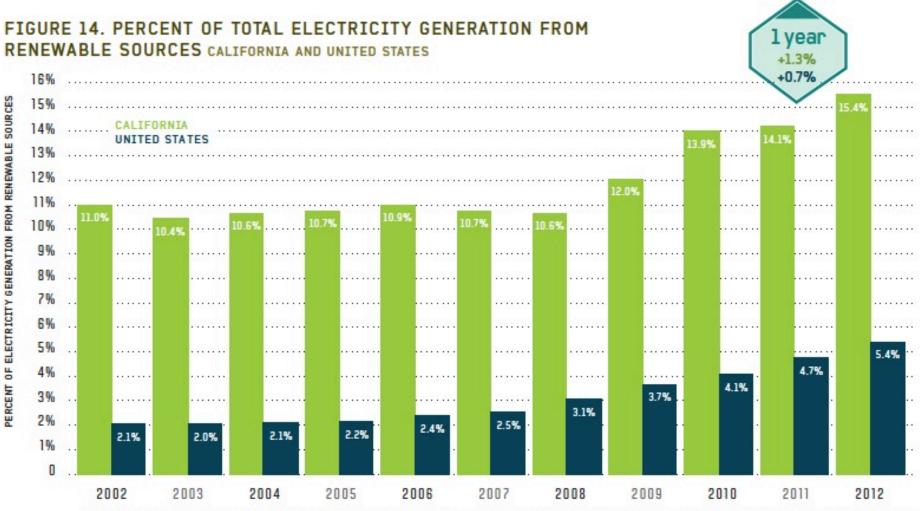


Figure 5: California GHG Emissions 2000-2011



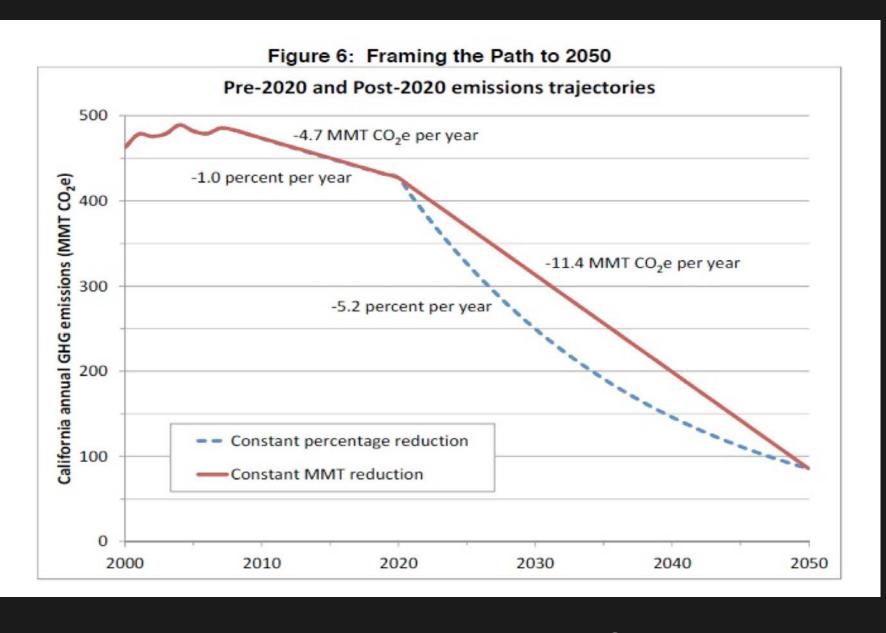


NEXT 10 CALIFORNIA GREEN INNOVATION INDEX. Bata Source: California Air Resources Board, California Greenhouse Gas Inventory - by Sector and Activity; California Department of Finance. Analysis: Collaborative Economics

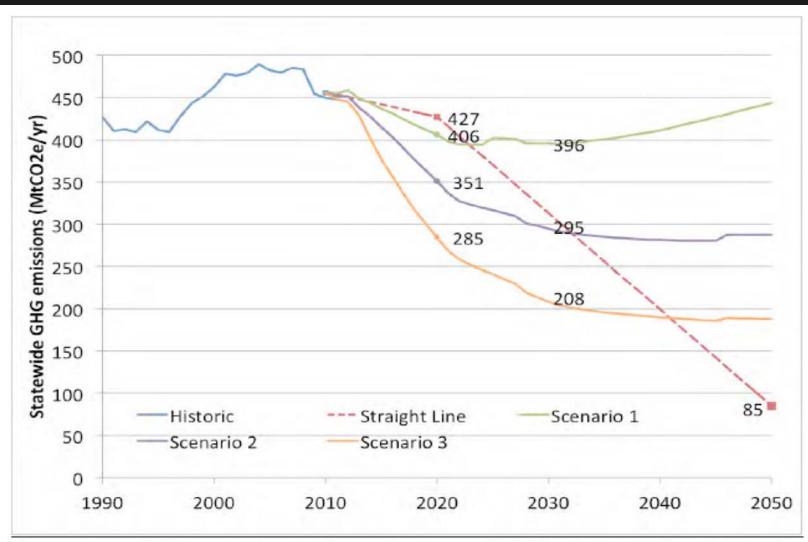


NEXT 10 CALIFORNIA GREEN INNOVATION INDEX. Note: Renewables do not include large hydro. Data Source: California Energy Commission; Energy Information Administration, U.S. Department of Energy. Analysis: Collaborative Economics

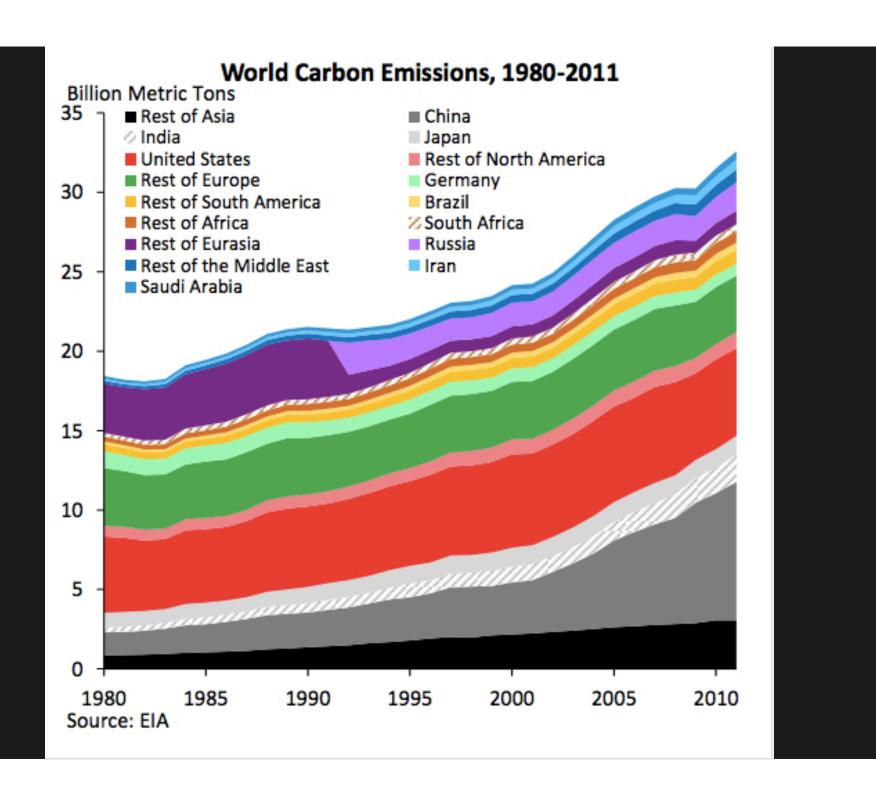
Next 10 Green Innovation Index 2014

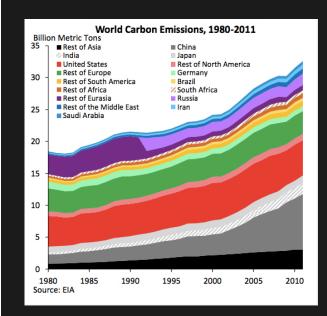


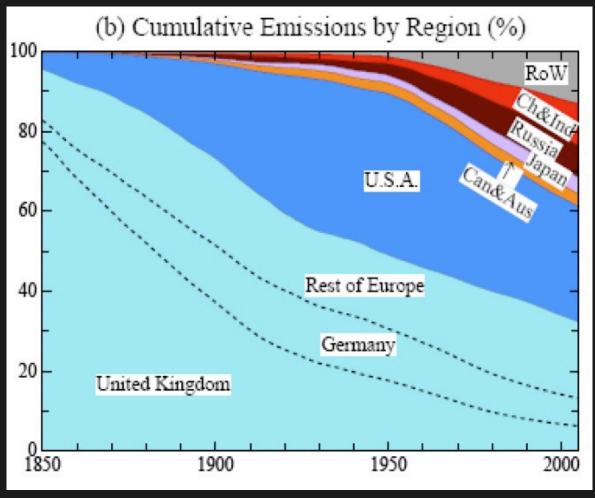
CARB



Comparison of GHG emissions by Scenario, along with historical and "straight-line" connections between 2020 and 2050 policy targets.







The Keeling Curve

Search

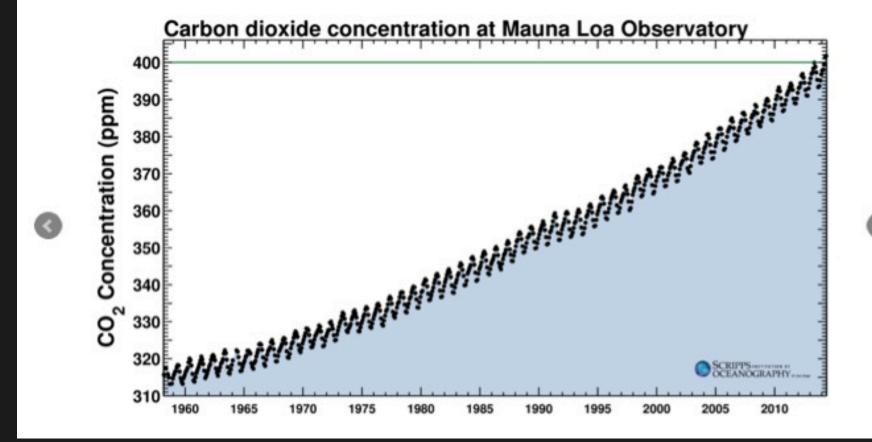
A DAILY RECORD OF ATMOSPHERIC CARBON DIOXIDE FROM SCRIPPS INSTITUTION OF OCEANOGRAPHY AT UC SAN DIEGO

Latest CO₂ Reading

401.67 ppm

June 01, 2014

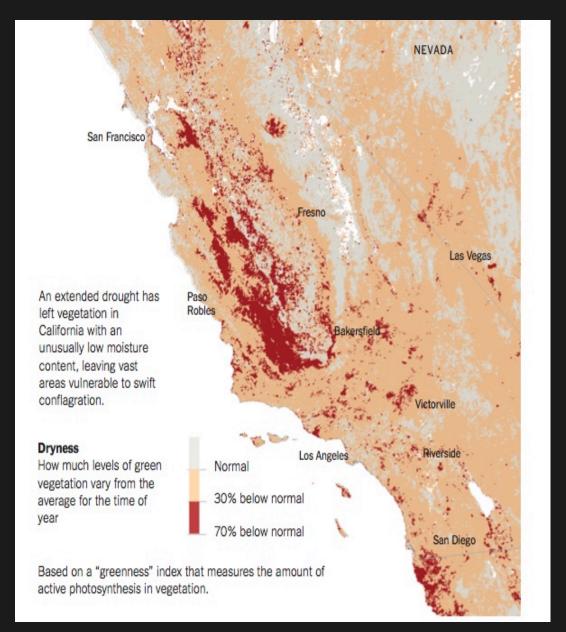
June 01 instrument status
Operational

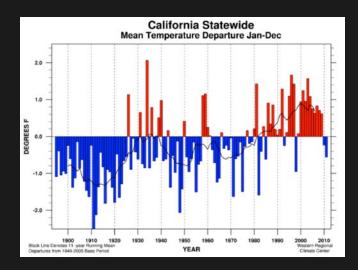


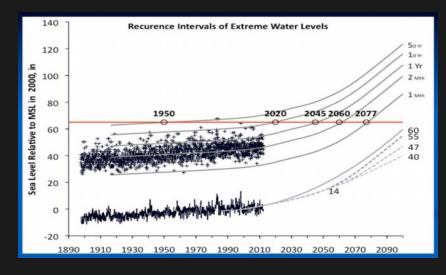












Impacts on physical systems ANNUAL SIERRA NEVADA SNOWMELT RUNOFF Spring runoff in California has declined over the past century. Sacramento River Runoff April - July Runoff as Percent of Water Year Runoff 70% 70% 65% 60% Linear Regression (least squares) line showing historical trend 60% 55% -0.0010x + 0.4386 50% 45% 1926 1936 1946 1956 1966 1976 1986 Water Year (October 1 - September 30) Source: DWR, 2008

As Central Valley fog disappears, fruit, nut crops decline

By Peter Fimrite

May 21, 2014 | Updated: May 22, 2014 9:32am

The soupy thick tule fog that regularly blanketed the Central Valley and terrorized unsuspecting motorists during the winter has been slowly disappearing over the past three decades, a UC Berkeley study has found.

The blinding mists may not be missed by those who remember white-knuckle drives in zero visibility and regular multiple-car pileups, but the fog dearth is bad news for farmers, according to a study published this month in the journal Geophysical Research Letters.

"It is jeopardizing fruit growing in California," said Dennis Baldocchi, a biometeorologist at UC Berkeley and lead author of the study. "We're getting much lower yields."



Tule fog - essential to some crops - drifts through a walnut orchard near Meridian (Kern County) in the Central Valley.







More than 20 dead, thousands evacuated in Bosnia, Serbia floods



Los Angeles Times Science / Environment

Irreversible collapse of Antarctic glaciers has begun, studies say

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Adapting to Rising Tides







Bay Area Housing and Community Multiple Hazards Risk Assessment







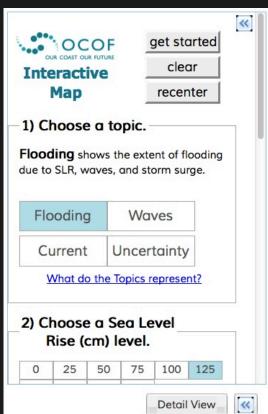














SILICON VALLEY 2.0





SILICON VALLEY 2.0 - CLIMATE CHANGE PREPAREDNESS DECISION SUPPORT TOOL

HOME

SET UP

CLIMATE CHANGE IN SCC

VULNERABILITY

RISK

REPORTS & OUTPUTS

MODEL CUSTOMIZATION

CLIMATE CHANGE VULNERABILITY ASSESSMENT MAPS FOR: SANTA CLARA COUNTY (COUNTY-WIDE)







ULNERABILITY ASSESSMENT OVERVIEW



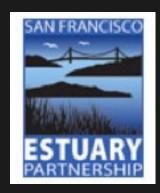




HOW IS VULNERABILITY CALCULATED



State of California Coastal Conservancy

















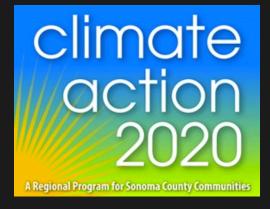




Securing our Future by Investing in our Water Resources, Environment & Community









The Resilient Communities Initiative (RCI)

Submitted by corrine on Thu, Mar 13th, 2:22pm

Community-Led Resilience Planning in the Nine-County Bay Area

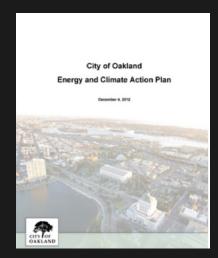


The Bay Area Resilient Communities Initiative (RCI) is creating a national model of resilience planning led by the communities most impacted by climate change and natural disasters for the benefit of all residents.

Local governments lack the resources needed to fully prepare for climate change and natural disasters on their own. Working with community groups is a cost-effective and efficient way to develop policy and programs that work for all residents, especially those who are most vulnerable and hardest to reach.









BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Air District Board Adopts Resolution November 6, 2013

- Sets regional GHG reduction goal: 80% below 1990 levels by 2050
- Initiates regional climate protection planning process (Clean Air Plan)
- Directs staff to develop a work program to guide efforts in the near-term









CITIZENS CLIMATE LOBBY

Political Will for a Livable World

June 3, 2014

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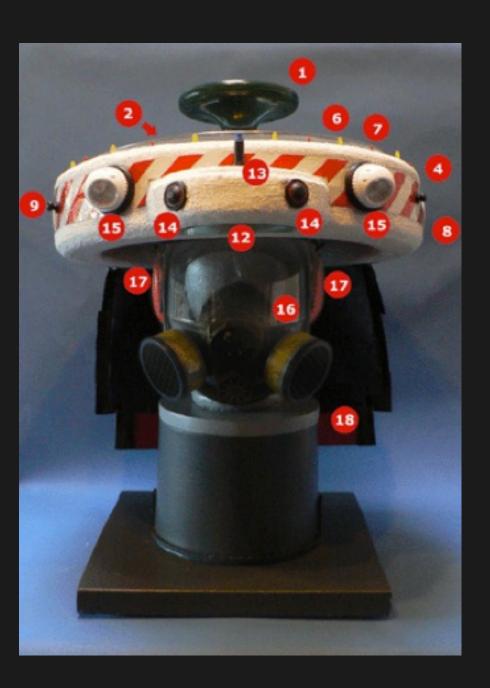






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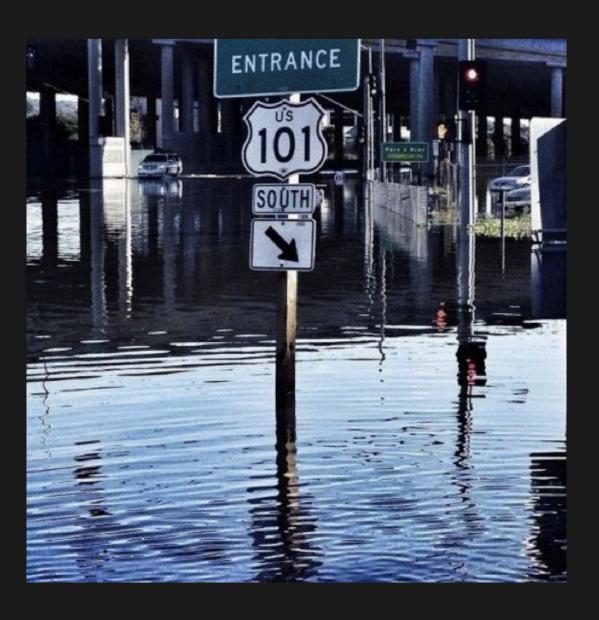


RISKY BUSINESS

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Projects, Plans, Structures & Needs

"SB 375 for climate adaptation"—Bay Area Adaptation Plan

Mandated **GHG targets for regions or cities** to support state AB 32 efforts

Integrate climate into <u>existing</u> plans—general plans, hazard mitigation plans, capital improvement plans

Significant **dedicated climate funding sources** (e.g., vehicle license surcharge, cap & trade, gas tax, sales tax, parcel fee, power bill surcharge)

Centralized "one-stop" climate science and information center to assist local governments, nonprofits and other Bay Area stakeholders

Major **regional campaign** to build public/political support for stronger climate action

Major program to engage with and focus resources on the most vulnerable communities and populations

Regional **feedback loop/process** (scorecard) to measure, evaluate and report on Bay Area climate progress

Combine forces with other regions in California to advocate for stronger national climate policies that will drive climate action at all level

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